$\mathbf{4}^{\text{th}}$ Grade Summer Mathematics Review #1

Name:	
1. How many sides does each polygon have?	2. What is the rule for this function machine?
A. Pentagon B. Nonagon C. Octagon D. Quadrilateral	IN OUT 1 5 2 9 4 17 6 25 10 41
 List all of the factors of each number. 24: 	 4. If you flip a coin 20 times, about how many times would you expect the coin to land heads up?
32: What is the Greatest Common Factor (GCF) of 24 and 32?	Check your prediction. Try it and record your data.
 A family hiked 2.16 miles on the first day of their hiking trip, 3.07 miles the second, and 4.89 miles on the third day. How many miles did they hike in all? 	6. Solve. $\frac{1}{12} = \frac{1}{4}$
7. What is the product?	8. Subtract.
58 × 189	1.16 - 0.78 =
9. Illustrate each: a. intersection of two lines	 The average daily temperature of second week in March is listed below. Use a sheet of paper to construct a line graph using this information. Title and label your graph.
b. parallel lines	Sun. 67 Mon. 84 Tues. 73
c. perpendicular lines	Wed. 80 Thurs. 68 Fri. 72 Sat. 75

Name:	
1. Round to the nearest ten thousand.	2. Write the missing numbers.
5,483,978	4 +
 3. Identify the statement that represents t fraction ³/₁₂. A. 3 minus 12 B. 3 divided by 12 C. 12 divided by 3 	he 4. Solve: 6,003 - 768 =
5. A lion's heart beats 85 times in 6 minu What is the approximate rate per min	ute? a. draw a triangle b. draw a hexagon
7. Write the following number in word form: 2,805, 730	 c. draw a quadrilateral
9. Write an equivalent fraction for each fraction for each fractions is order from least to greatest. $\frac{3}{4} = \underline{\qquad} \frac{5}{8} = \underline{\qquad} \frac{1}{2} = \underline{\qquad}$	n chance of getting a 6 as you do as getting a 3? Explain.

Name:	
1. What is the value of the underlined digit?	2. Complete the pattern.
6 <u>7</u> 8,342	1, 1, 2, 3, 5,,,
3. Solve. $\frac{5}{12} + \frac{1}{3} =$	 4. Fill in the blanks. 5 kilograms = grams 12 pounds = ounces 32 ounces = pounds
5. Put the fractions in order from least to greatest. $\frac{3}{4} \frac{1}{3} \frac{1}{2} \frac{5}{12}$,	6. If a can is 8 in. tall and holds 1 qt. of liquid when it's full, how many pints are there if the can is only ¹ / ₂ full?
9 5 15 8 11 13 100 45 25 75 1 <td< td=""><td> 8. Construct a bar graph using the following data. Use another sheet of paper. Title and label your graph. Planet Length of Year in Earth Days Mercury 88 Venus 225 Earth 365 Mars 687 </td></td<>	 8. Construct a bar graph using the following data. Use another sheet of paper. Title and label your graph. Planet Length of Year in Earth Days Mercury 88 Venus 225 Earth 365 Mars 687
 9. Fill in the blanks. 6 feet = yards 600 centimeters = meters inches = 5 feet 	10. Write <u>four</u> equivalent fractions for 1/3.

Name:		
1.	Jessica drew this pattern: \bigtriangleup \bigcirc \bigcirc \bigcirc \square \square If she made 6 rows of this pattern, how many circles did she draw?	2. Draw a line segment and label it JR.
3.	What is the probability of the spinner landing on the number 4? 1 4 3	4. Estimate. Show how you rounded the numbers. 3172 <u>+ 5496</u>
5.	Write these fractions as decimals. a. $\frac{3}{10} = $ b. $\frac{26}{100} = $	6. Draw two different polygons that contain parallel sides.
7.	Solve. 0.75 + 0.07 =	 8. Fill in the blanks. cups = 1 gallon cups = 1 pints quarts = 1 gallon pints = 1 quart
9.	Solve. $\frac{3}{4} = \frac{?}{12}$	10. Complete the pattern. 1, 8, 3, 10, 5, 12,,,, Explain the pattern.

©2016 Arlington Public Schools Grade 4 Summer Reviews

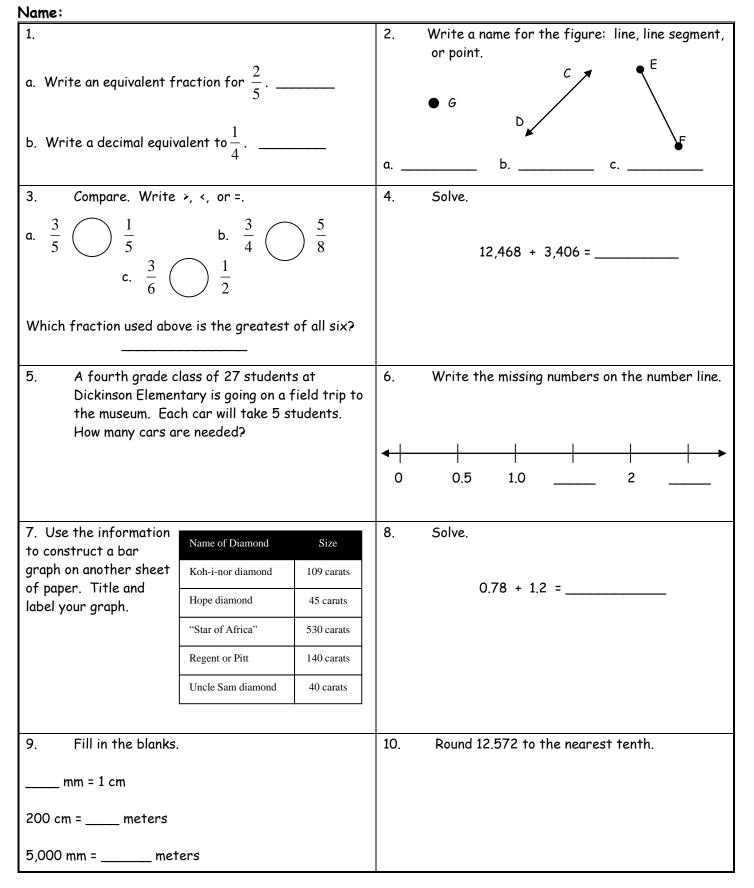
Name:	
 A theater sold 819 tickets for 3 performances of a play. The same number of people saw each show. How many people saw the first two performances of the play? 	2. Write an equivalent fraction for each. a. $\frac{1}{5} = $ b. $\frac{2}{4} = $ c. $\frac{3}{8} = $
 3. <u>School Populations</u> 476 students 237 students 84 students 593 students a. How many students attend the three most populated schools? b. How many students attended the least populated school? 	4. Round to the nearest hundredth. 847.9648
5. Draw two line segments parallel to each other. Label your line segments.	 Complete and describe the pattern. 3, 7, 6, 5, 9, 8, 7, 11,,, 13
 Ts it equally likely or not equally likely that a flipped coin will land on heads or tails? Circle one: equally likely not equally likely 	8. Follow the function rule to complete the table. 12 + + 4 3 3 IN 12 8 16 24 20 32 36 OUT 1 1 1 1 1 1
9. Fill in the missing numbers.	 Which is heavier, an object weighing 67 ounces or an object weighing 4 pounds? Explain your answer.

©2016 Arlington Public Schools Grade 4 Summer Reviews

Name:			
1.	Kyle ran the race in 9.24 seconds. Joel ran the race in 9.45 seconds. Who won, and by how much?	2.	Name the parallel lines in this figure.
3.	Madeline has \$0.63 in quarters, dimes, nickels, and pennies. She has 9 coins in all. What are they?	4. a. b.	Write the decimal equivalent. $\frac{1}{2}$ = (decimal) $\frac{6}{100}$ = (decimal)
5.	Write the decimal represented on the decimal square.	6.	A car can travel 25 miles on a gallon of gas. How many miles can it travel with 15 gallons of gas?
7.	Fill in the missing numbers. Describe the pattern. 3, 6, 9,, 15, 18	8.	Write a number that comes between 8,140 and 8,150.
1.45 ⁻ 3.807	nd each decimal to the nearest tenth 7 to the nearest hundredth 3 to the nearest whole	10.	Circle the best unit of length to measure the height of a door: A. inches B. feet C. miles

Name:			
1.	<u>Estimate</u> the sum. Explain. 376 + 2094 + 96 =	2.	Draw an angle. Name your angle.
3.	Measure the line segment below to the nearest centimeter and to the nearest inch. D a cm. b in.		What is the Least Common Multiple (LCM) of 12 and 5?
5.	If 59 students want to go on a rafting trip, and each raft holds 6 people, how many rafts will be needed?	6.	How are lines and line segments different?
7.	Compare. Use >, <, or =. $\frac{5}{9}$ $2\frac{2}{3}$ Which fraction is larger?	8.	The following numbers of hot lunches were soldrecently at one school. Construct a line graphto show this information. Use another sheetof paper. Title and label your graph.School lunches sold each dayMonday12Tuesday4Wednesday8Thursday8Friday18
9.	Solve. 4,685 - 194 =	10.	Which expression would NOT make the equation true? 8 × 6 = A. 3 × 14 B. 12 × 4 C. 16 X 3

Name	2:	
1.	Shade $\frac{1}{4}$ of the rectangle.	2. Write the decimal.
		a b
3.	Write as a decimal:	4. There are 12 colored blocks in a bag: 5 blue,
0.		1 white, 3 yellow, and 3 red.
	seventeen and forty-one thousandths	a. What is the probability that someone will choose a blue block?
		b. What is the least likely color to be chosen?
5.	Circle the picture that shows perpendicular	6. Estimate by rounding to the nearest hundred.
0.	lines.	Show your work.
		12,846 - 3467
	A B	
7.	Compare. Use >, <, or =. A. 0.61 B. 0.7	 Which blanket requires a longer piece of cloth for trim, one that is 5 ft. by 5ft. or one that is 6 ft. by 3 ft?
		Show how you know.
a. V	Which decimal is larger?	
b. H	low much larger is it?	
9.	In one week, a grocery store sold 12,587 gallons of milk. How much more is this than the 3,509 gallons that were sold in another store?	10. Extend and describe the pattern.



Name	:									
1.	Solve for n.	2. W	hat fro	action	can yo	ou add	to $\frac{4}{7}$	to get	a sum	
	15 + (35 +16) = (15 + 35) + n	of	of one?							
3.	Fill in the blanks to make each equation true.		ioose t ems be		st unit	if we	ight to	meas	ure th	e
Α.	(8 + 5) + 7 = 8 + (+ 7)			oz	., ІЬ.,	, or t.				
В.	(3 × 4) × 5 = × (4 × 5)	a.	a butt	terfly						
С.	12 x (3 x 2) = (12 x) x 2	b. a bicycle								
5.	Perryville Metro can carry up to 865 people every five minutes. What is the maximum number of people it can carry in a two-hour period?	6. Follow the function rule to complete the table.					 >.			
		IN	12	14	11	16	18	15	17	$\frac{1}{2}$
		OUT	3	5]
7.	Write a decimal and fraction for the shaded part of this model.	 Cindy saw a newspaper advertisement for King's Cold Cuts. She decided to buy 0.50 lb. of turkey for \$1.70 and 0.74 lb. of cheese for \$2.55. How many pounds of food did she buy? 								
9.			am thir i multi	-				•		m
	2,745.045	you get 15, multiply them you get 36, subtract them you get 9, and divide them you get 4. What are the two numbers?								
a. W	hat digit is in the thousands place?									
b. W	hat digit is in the tenths place?									

	Fourth Grade Mathematics Su	mmer Review ANSWER	R KEY			
	Review #1		Review #6			
1. A. 5 B. 9 C. 8 D. 4	6. 3	1. Kyle by .21 seconds	6. 375 miles			
2. Multiply by 4, add 1	7. 10,962	2. line VU and line XC	7. 12; add 3			
3. 1,2,3,4,6,8,12,24	8. 0.38	3. 1Q, 2D, 3N, 3P 8. Any # between 8,140				
1,2,4,8,16,32		4. a) 0.5 b) 0.06 9. 1.5, 3.81, 7				
GCF: 8		5. 0.13	10. feet			
4. 10 times, see stude	nt work 9. answers will vary 🔺					
5. 10.12 miles	a) (b) (c)	•				
	10. see student work					
	Review #2		Review #7			
1. 5,480,000	6. a)3 b)6 c)4	1. 2,600 (answers will va	•			
2. 49, 53, 57	7. Two million, eight hundred five	1	segment does not			
	thousand, seven hundred thirty	2. \longleftrightarrow answers will var	, 3			
3. B	8. no; needs 17¢	3. a) 7 cm b) 3 in	8. see student graph			
4. 5,235	9. see student work; 1/2, 5/8, 3/4	4. 60	9. 4,491			
5. 14 to 15	10. yes, there's an equal number	5. 10 rafts	10. A			
	of 6's and 3's					
	Review #3		Review #8			
1. 70,000	6. 1 pt	1. Ex:	6. 12,800 - 3,500 = 9,300			
2. 8, 13, 21		2. a) 0.38 b) 0.04	7. < ; a) 0.7 b) 0.09			
(sum of 2 previous #s)	7. 40, 55, 65, 500; times 5	3. 17.041	8. 5 ft. by 5 ft.; check student work			
3. 9/12 = 3/4	see student work	4. a) 5/12 b) white	9. 9,078 gallons			
4. 5,000 grams	9. 2 yards	5. A	10. $\Box \bigcirc$ first 3 symbols repeat			
192 ounces	6 meters					
2 pounds	60 inches					
5. <u>1</u> <u>5</u> <u>1</u> <u>3</u>	10 ov: 2/6 2/0 4/12 5/15					
5. $\frac{1}{3} \frac{5}{12} \frac{1}{2} \frac{3}{4}$	10. ex: 2/6, 3/9, 4/12, 5/15					
	Review #4 🖳 🗌		Review #9			
1. 12 circles.	6. see student work Ex: 🗐 📋	1. ex. a) 4/10 b) 0.25	6. a) 1.5 b) 2.5			
2. J ● R	7. 0.82	2. a)point b)line				
3. $\frac{1}{4}$	8. 16 cups, 2 cups, 4 quarts, 2 pints	c)line segment	7. see student graph			
4. 3000+5000=8000	9. 9	3. a) > b) > c)= ; ³ / ₄	8. 1.98			
5. a) 0.3 b) 0.26	10. 7, 14, 9, 16; add 7,	4. 15,874	9.10 mm			
	subtract 5		2 meters			
			5 meters			
		5. 6 cars	10. 12.6			
	Review #5		Review #10			
1. 546 people	6. 10,9; add 4,subtract 1,subtract 1	1. 16	6. 2, 7, 9, 6, 8			
2. ex. a)2/10 b)6/12 c)6	. , ,	2. 3/7 (or another fract				
3. a) 1,306 b) 84 studer	nts 8. 3, 2, 4, 6, 5, 8, 9		7. 7/10 and 0.7			
4. 847.96		3. A. 5 B. 3 C. 3	8. 1.24 pounds			
a b	9. 560, 580, 600	4. a) oz. b) lb.	9. a) 2 b) 0			
5. ex.	10. 67 ounces is heavier	5. 20,760	10. 12 and 3			
č ď	because 4 lbs. is 64 ounces					

Student's Signature (optional) _____ Date _____